

Additional File 1: MEDLINE (Ovid) search strategy

1. computers, handheld/
2. (computer\$ adj4 handheld).ab,ti.
3. (computer\$ adj4 hand-held).ab,ti.
4. (computer\$ adj4 palm\$).ab,ti.
5. (computer\$ adj4 pocket).ab,ti.
6. (computer\$ adj4 mobile).ab,ti.
7. (Pocket-PC\$ or PocketPC\$).ab,ti.
8. (Pocket adj computer\$).ab,ti.
9. (Palm adj4 PDA\$).ab,ti.
10. (PDA\$ adj5 computer\$).ab,ti.
11. (Personal adj digital adj assistant\$).ab,ti.
12. (PDA\$ adj5 phone\$).ab,ti.
13. (PDA\$ adj5 telephone\$).ab,ti.
14. (Tablet adj computer\$).ab,ti.
15. (Tablet adj PC\$).ab,ti.
16. (Palm-Pilot\$ or Palmpilot\$).ab,ti.
17. (Palm adj (Pre or Treo or Centro)).ab,ti.
18. (smartbook\$ or smart-book\$).ab,ti.
19. ((ultra-mobile or ultramobile) and (PC\$ or personal computer\$)).ab,ti.
20. ((ultra-portable or ultraportable) and (PC\$ or personal computer\$)).ab,ti.
21. (enterprise adj digital adj assistant).ab,ti.
22. (EDA\$ adj4 computer\$).ab,ti.
23. cellular phone/
24. (cellular adj3 phone\$).ab,ti.
25. (mobile adj3 phone\$).ab,ti.
26. (mobile adj3 telephone\$).ab,ti.
27. (cellular adj3 telephone\$).ab,ti.
28. (cell adj3 phone\$).ab,ti.
29. (cell adj3 telephone\$).ab,ti.
30. (smartphone\$ or smart-phone\$).ab,ti.
31. (blackberr\$ or black-berr\$).ab,ti.
32. (google adj3 phone\$).ab,ti.
33. (nexus adj one adj3 phone\$).ab,ti.
34. (application adj software).ab,ti.
35. (MMS or multimedia messaging service).ab,ti.
36. (SMS or short messaging service).ab,ti.
37. (text\$ adj message\$).ab,ti.
38. MP3 player/
39. MP3 player\$.ab,ti.
40. MP4 player\$.ab,ti.
41. (MP3 or MP4).ab,ti.
42. (portable adj2 media adj2 player\$).ab,ti.
43. (iphone\$ or i-phone\$).ab,ti.
44. (ipod\$ or i-pod\$).ab,ti.
45. (podcast\$ or pod-cast\$).ab,ti.
46. Medical informatics/ or medical informatics applications/
47. audiovisual aids/
48. Multimedia/
49. Public health informatics/
50. User-computer interface/

51. Interactive tutorial/
52. ((mobile adj health) not van\$ not unit\$).ab,ti.
53. (mhealth or m-health).ab,ti.
54. (elearning or e-learning).ab,ti.
55. Electronic mail/
56. (electronic adj3 mail\$).ab,ti.
57. (electronic adj3 messag\$).ab,ti.
58. (email\$ or e-mail\$).ab,ti.
59. Hypermedia/
60. Video games/
61. (computer adj2 gam\$).ab,ti.
62. (video adj2 gam\$).ab,ti.
63. (electronic adj2 gam\$).ab,ti.
64. (playstation adj1 portable).ab,ti.
65. (Sony adj1 PSP).ab,ti.
66. (gameboy adj (advance or micro)).ab,ti.
67. Nintendo DS\$.ab,ti.
68. Gamepark.ab,ti.
69. Gizmando.ab,ti.
70. (Tapwave adj zodiac).ab,ti.
71. Video recording/
72. (video or videos).ab,ti.
73. computer graphics/
74. Internet/
75. internet.ab,ti.
76. ("world wide web" or world-wide-web or "world-wide web" or "worldwide web" or website\$ or web-site\$).ab,ti.
77. (WAP or "wireless application protocol").ab,ti.
78. online.ab,ti.
79. (on?-line not one line).ti,ab.
80. web?based.ab,ti.
81. web-based.ab,ti.
82. bluetooth.ab,ti.
83. (web adj3 technolog\$).ab,ti.
84. (chat?room\$ or chat-room).ab,ti.
85. (blog\$ or web-log\$ or weblog\$).ab,ti.
86. Blogging/
87. (bulletin adj board\$).ab,ti.
88. (message adj board\$).ab,ti.
89. (interactive adj5 health adj5 communicat\$).ab,ti.
90. (interactive adj3 televis\$).ab,ti.
91. (interactive adj3 TV).ab,ti.
92. (interactive adj4 technolog\$).ab,ti.
93. (interactive adj7 multimedia).ab,ti.
94. (interactive adj3 software).ab,ti.
95. (e-health\$ or ehealth\$).ab,ti.
96. (electronic adj health).ab,ti.
97. (consumer adj1 health adj1 informatic\$).ab,ti.
98. (virtual adj reality).ab,ti.
99. (virtual adj learning).ab,ti.
100. (surf adj4 web\$).ab,ti.
101. (surfing adj4 web\$).ab,ti.